| <br> | Claims |  |
|------|--------|--|
|      |        |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|-----------------------------------------|
| 10/776,445              | HASLAM ET AL.                           |
| Examiner                | Art Unit                                |

| 1 | Rejected | - | (Through<br>Can |
|---|----------|---|-----------------|
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|   | Interference |

Helene Rose

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| Cla                                              | im                                     | Date     |          |              |          |                                                  |          |                                                  |              |              |
|--------------------------------------------------|----------------------------------------|----------|----------|--------------|----------|--------------------------------------------------|----------|--------------------------------------------------|--------------|--------------|
| Final                                            | Original                               | 9/18/06  |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 1                                      | 1        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 2 3                                    | 7        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 3                                      | 1        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 4_                                     | 7        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 4<br>5                                 | 1        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 6<br>7                                 | V        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 7                                      | I√       |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 8                                      | 1        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 9                                      | 777      |          | L            | L.       |                                                  |          |                                                  |              |              |
|                                                  | 10                                     | 1        |          | <u> </u>     | _        |                                                  |          |                                                  |              |              |
|                                                  | 11                                     |          | <u> </u> | <del> </del> |          |                                                  | <u> </u> | ļ                                                | <u> </u>     |              |
| ļ                                                | 12                                     | 1        | <u> </u> | ├            | H        | H                                                | $\vdash$ | $\vdash$                                         | $\vdash$     | _            |
| <u> </u>                                         | 13                                     |          | $\vdash$ | $\vdash$     | $\vdash$ | H                                                |          | $\vdash$                                         | <del> </del> | <u> </u>     |
| <u> </u>                                         | 11<br>12<br>13<br>14<br>15<br>16<br>17 | 1        | $\vdash$ | <u> </u>     | ⊢        | H                                                | H        | $\vdash$                                         | <del> </del> | <del> </del> |
|                                                  | 16                                     | 1        | -        | $\vdash$     | ┝        | -                                                | -        | ⊢                                                | $\vdash$     | _            |
|                                                  | 17                                     |          |          | ⊢            | $\vdash$ | $\vdash$                                         | -        | $\vdash$                                         |              |              |
|                                                  | 18                                     | 1        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$                                         | -        | H                                                | H            |              |
|                                                  | 18<br>19                               | 1        |          | H            |          | $\vdash$                                         |          | -                                                |              |              |
|                                                  | 20                                     | V        | $\vdash$ | $\vdash$     | $\vdash$ | _                                                | -        | $\vdash$                                         | -            | _            |
|                                                  | 21                                     | 1        |          | _            | <u> </u> | $\vdash$                                         | -        | -                                                |              |              |
|                                                  | 22                                     | V        |          | T            |          |                                                  |          |                                                  |              |              |
| l                                                | 23                                     | 1        |          | Г            |          |                                                  |          |                                                  |              |              |
|                                                  | 23<br>24                               | V        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 25                                     | V        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 26                                     | ٧        |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 27                                     | 1        | <u> </u> | L            | _        | <u> </u>                                         | <u> </u> |                                                  |              |              |
| L                                                | 28<br>29                               | 1        | _        | <u> </u>     | <u> </u> | <u> </u>                                         | L.       |                                                  |              | _            |
|                                                  | 29                                     |          | <u> </u> | <u> </u>     | <u> </u> | _                                                | <u> </u> | _                                                |              |              |
| <u> </u>                                         | 30                                     | V,       | <u> </u> | _            |          | <u> </u>                                         | <u> </u> | _                                                | L            | <u> </u>     |
| ļ                                                | 31<br>32                               | V        | _        | _            | _        |                                                  | <u> </u> | <u> </u>                                         | L            | <u> </u>     |
|                                                  | 32                                     | 1        | -        | -            | -        | $\vdash$                                         | H        | H                                                | H            | $\vdash$     |
| ├—                                               | 33<br>34                               | 1        |          |              | _        | ├-                                               |          | -                                                | -            | <u> </u>     |
| <del> </del>                                     | 35                                     | 1        | -        | <del> </del> | $\vdash$ | $\vdash$                                         | $\vdash$ | $\vdash$                                         | $\vdash$     | -            |
| <u> </u>                                         | 36                                     | 1        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$                                         | $\vdash$ | -                                                | ├─           | <del> </del> |
| <del> </del>                                     | 37                                     | 1        | $\vdash$ |              |          | $\vdash$                                         | $\vdash$ | $\vdash$                                         | $\vdash$     | $\vdash$     |
| <u> </u>                                         | 38                                     | 广        |          | 1            |          | $\vdash$                                         | $\vdash$ | <del> </del>                                     |              | H            |
| <del>                                     </del> | 39                                     | Н        |          |              |          | <del>                                     </del> | $\vdash$ | <del>                                     </del> | H            | $\vdash$     |
|                                                  | 40                                     | $\vdash$ |          |              | <u> </u> |                                                  |          | H                                                | Ħ            | $\vdash$     |
| _                                                | 41                                     | Г        | Ι-       |              |          | <del>                                     </del> |          | Т                                                |              | Г            |
|                                                  | 42                                     |          |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 43                                     |          |          |              |          |                                                  | L        |                                                  |              |              |
|                                                  | 44                                     |          |          |              |          |                                                  |          |                                                  |              |              |
|                                                  | 45                                     |          | L        |              | 匚        | 匚                                                |          |                                                  |              | 匚            |
|                                                  | 46                                     | Ĺ        |          | 匚            | 匚        | $\Box$                                           | oxdot    | L                                                | $\Box$       | Ĺ            |
|                                                  | 47                                     | _        | L        |              | L        |                                                  | L        | L                                                | <u> </u>     | L            |
|                                                  | 48                                     | _        | _        | L_           | <u> </u> | <u> </u>                                         | L.       | L_                                               | <u> </u>     |              |
| <u> </u>                                         | 49                                     | _        | <u> </u> | <u> </u>     | <u> </u> | <u> </u>                                         | <u> </u> | <u> </u>                                         | <u> </u>     | <u> </u>     |
| 1                                                |                                        |          | 1        |              |          |                                                  |          |                                                  | 1            |              |

| Cla      | im                         |              |          |              |          | Date                                | <del></del>        |              |          |          |
|----------|----------------------------|--------------|----------|--------------|----------|-------------------------------------|--------------------|--------------|----------|----------|
|          |                            |              |          |              |          |                                     |                    |              |          | _        |
| Final    | Original                   |              |          |              |          |                                     |                    |              |          |          |
| <u> </u> |                            |              |          |              |          |                                     |                    |              |          |          |
|          | 51                         |              | -        | Н            |          | Н                                   |                    |              |          |          |
| <u> </u> | 52<br>53                   | _            |          |              |          | Н                                   |                    |              |          |          |
| -        | 53                         |              |          |              |          |                                     |                    |              |          |          |
|          | 54<br>55                   |              |          | $\vdash$     |          |                                     |                    | -            |          | _        |
|          | 56                         |              |          | $\vdash$     |          |                                     |                    |              |          |          |
|          | 57                         |              |          |              |          |                                     |                    |              | -        |          |
|          | 58                         |              |          |              |          |                                     |                    |              |          |          |
|          | 59                         |              |          |              |          |                                     |                    |              |          |          |
|          | 60                         |              |          |              |          |                                     |                    |              |          |          |
|          | 61                         |              |          |              |          |                                     |                    |              |          |          |
|          | 62                         |              |          |              |          |                                     |                    |              |          |          |
|          | 63                         | Ш            | Ц.,      | L_           |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $ldsymbol{\sqcup}$ | L_           |          |          |
|          | 64<br>65                   | _            |          |              | _        | $\vdash$                            | <u> </u>           | <u> </u>     | $\vdash$ |          |
|          | 66                         | _            | <u> </u> | L            | _        | $\vdash$                            | _                  | _            |          |          |
| -        | 67                         | _            | ļ        | -            |          |                                     | -                  |              | _        |          |
| -        | 68                         | _            |          |              | $\vdash$ | -                                   |                    | ┝            |          |          |
|          | 69                         | $\vdash$     |          |              |          | H                                   | $\vdash$           | <u> </u>     |          |          |
|          | 70                         | -            | _        | _            |          | ┢                                   |                    | ┢┈           |          |          |
|          | 71                         |              | $\vdash$ |              |          | _                                   | $\vdash$           |              | Т        | $\vdash$ |
|          | 72                         | Г            |          |              |          |                                     |                    |              | Г        |          |
|          | 71<br>72<br>73<br>74<br>75 |              |          |              |          |                                     |                    |              |          |          |
|          | 74                         |              |          |              |          |                                     |                    |              |          |          |
|          | 75                         | _            | _        |              |          |                                     | _                  | _            |          | L        |
| <u> </u> | 76<br>77                   | <u> </u>     | <u> </u> |              |          |                                     | <u> </u>           | <u> </u>     | _        | L        |
| <u> </u> | 70                         | ⊢            | ├        | -            |          |                                     | -                  | <u> </u>     |          | -        |
| <u> </u> | 78<br>79                   | <del> </del> | -        | $\vdash$     |          | _                                   | ┝                  | ⊢            | <u> </u> | $\vdash$ |
| -        | 80                         | ├─           | ┝        |              | _        | -                                   | -                  | ├            | -        | -        |
| $\vdash$ | 81                         | $\vdash$     | -        | -            |          |                                     |                    | -            | ┢        | -        |
|          | 82                         |              |          | Г            |          |                                     |                    | $\vdash$     |          |          |
|          | 83                         |              |          |              |          |                                     |                    |              |          |          |
|          | 84                         |              |          |              |          |                                     |                    |              |          |          |
|          | 85                         | L            | L        |              |          |                                     | L                  |              | L        | L        |
|          | 86                         | <u> </u>     | L        | <u> </u>     | L.       | <u> </u>                            | <u> </u>           | _            | ļ        | <u> </u> |
|          | 87                         | <u> </u>     | $\vdash$ | <u> </u>     | -        | <del> </del>                        | <u> </u>           | <del> </del> | $\vdash$ | ⊢        |
| -        | 88<br>89                   | ├            | ├-       | <del> </del> | ⊢        | ┢                                   | ┢                  | -            | ├-       | ⊢        |
|          | 90                         | -            |          | $\vdash$     | -        | ┢                                   | -                  | -            | ├        | $\vdash$ |
|          | 91                         | ┢            | $\vdash$ | -            | ├-       | $\vdash$                            | $\vdash$           | -            | $\vdash$ | ├-       |
|          | 92                         | Т            |          | T            | Т        | $\vdash$                            | $\vdash$           | Г            | Η        | _        |
|          | 93                         |              | Γ        |              |          |                                     |                    |              |          |          |
|          | 94                         |              |          |              |          |                                     |                    |              |          |          |
|          | 95                         |              |          |              |          |                                     |                    |              |          |          |
|          | 96                         |              |          |              |          |                                     |                    |              |          |          |
| <u></u>  | 97                         | L            | <u> </u> | <u> </u>     | L        | <u> </u>                            | <u> </u>           | Ļ.           | <u> </u> | _        |
| <u> </u> | 98                         | <u> </u>     | <u> </u> | <u> </u>     | _        | <u> </u>                            | ├                  | ┡            | <u> </u> | $\vdash$ |
| -        | 99<br>100                  | <u> </u>     | ⊢        | $\vdash$     | $\vdash$ | ├-                                  | $\vdash$           | <u> </u>     | -        | <u> </u> |
| L        | 100                        | <u> </u>     | <u> </u> | Ц            | <u> </u> | <u> </u>                            | <u> </u>           | Ц_           | L        | Ц        |

| Cla      |                                                      |                                                  |              |            | Date           | <del></del>                                      |                                                  |              |          |          |
|----------|------------------------------------------------------|--------------------------------------------------|--------------|------------|----------------|--------------------------------------------------|--------------------------------------------------|--------------|----------|----------|
|          |                                                      |                                                  |              |            |                |                                                  |                                                  |              |          |          |
| la l     | Original                                             |                                                  |              |            |                |                                                  |                                                  |              |          |          |
| Final    | rig                                                  |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          |                                                      |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 101<br>102                                           |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 102                                                  |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 103                                                  |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 103<br>104<br>105                                    |                                                  |              | $\vdash$   | Г              |                                                  |                                                  |              |          |          |
|          | 105                                                  |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 106                                                  |                                                  |              |            |                |                                                  |                                                  |              |          | М        |
|          | 106<br>107                                           | Т                                                |              | _          |                | Т                                                |                                                  |              | $\vdash$ | П        |
|          | 108                                                  |                                                  |              | <u> </u>   |                |                                                  |                                                  |              | $\vdash$ | Н        |
|          | 109                                                  |                                                  |              |            |                |                                                  | <u> </u>                                         |              |          | П        |
|          | 110                                                  | $\vdash$                                         | _            |            |                |                                                  |                                                  |              |          | П        |
|          | 111                                                  |                                                  |              | $\vdash$   |                |                                                  |                                                  |              |          | П        |
|          | 112                                                  | T                                                |              | Ī          | Г              |                                                  |                                                  |              |          | П        |
| <b></b>  | 112<br>113                                           |                                                  | Г            | T          | T              | Г                                                |                                                  |              |          | Н        |
|          | 114                                                  | <u> </u>                                         | $\vdash$     | Т          | $\vdash$       |                                                  |                                                  |              | Ι-       |          |
| $\vdash$ | 114<br>115                                           | <del>                                     </del> | Г            |            | 1              |                                                  |                                                  |              | Ι-       | М        |
|          | 116                                                  | $\vdash$                                         | T            |            | Т              | <del>                                     </del> | <del>                                     </del> |              | Г        | П        |
|          | 117                                                  |                                                  |              |            |                | Г                                                | Γ                                                |              | Г        | П        |
|          | 118                                                  | i –                                              |              |            |                |                                                  |                                                  |              |          | П        |
| <b></b>  | 119<br>120<br>121                                    |                                                  | _            |            |                |                                                  |                                                  |              | $\vdash$ | П        |
|          | 120                                                  |                                                  | $\vdash$     | 1          | Г              |                                                  |                                                  |              |          | П        |
|          | 121                                                  | ·                                                |              |            |                |                                                  |                                                  |              |          | П        |
|          | 122                                                  |                                                  |              | -          |                |                                                  |                                                  |              |          | П        |
|          | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 |                                                  |              |            |                | Π                                                | Π                                                |              |          |          |
|          | 124                                                  |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 125                                                  |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 126                                                  |                                                  |              |            |                |                                                  |                                                  |              |          |          |
|          | 127                                                  |                                                  |              |            | L              | L                                                | L                                                | L            |          | Ш        |
|          | 128                                                  | _                                                |              |            | <u> </u>       | L                                                | ᆫ                                                | L            | _        |          |
|          | 129                                                  | L                                                | L            | L          | <u></u>        | L                                                | L                                                | L            |          |          |
| <u> </u> | 130                                                  |                                                  |              | 乚          | L              | L_                                               |                                                  | _            |          | Ш        |
|          | 130<br>131<br>132                                    | _                                                | _            | Ļ          | <u> </u>       | <u> </u>                                         | <u> </u>                                         |              | <u> </u> |          |
| ļ        | 132                                                  | <u> </u>                                         | ₩            | $\vdash$   | <u> </u>       | <u> </u>                                         | <u> </u>                                         | _            | <b>—</b> | Ш        |
| <u></u>  | 133<br>134                                           | <u> </u>                                         | L_           | <b> </b> _ | <u> </u>       | $\vdash$                                         | <b> </b>                                         | _            | <u> </u> |          |
|          | 134                                                  | <u> </u>                                         | <u> </u>     | ↓_         | <b>↓</b> _     | <u> </u>                                         | <u> </u>                                         | L            | <u> </u> | <u> </u> |
|          | 135<br>136                                           | L                                                | <u> </u>     | <b>⊢</b>   | <b>—</b>       | -                                                | <u> </u>                                         | <u> </u>     | L-       | Щ        |
| L        | 136                                                  | ⊢-                                               | <u> </u>     | <u> </u>   | <u> </u>       | <u> </u>                                         | <u> </u>                                         | <u> </u>     | <u> </u> | 1        |
|          | 137                                                  | ⊢                                                |              | <b> </b>   | $\vdash$       | <u> </u>                                         | ├                                                | ├            | _        | $\vdash$ |
|          | 138<br>139                                           | <b> </b> -                                       | ⊢            | -          | ├-             | ⊢-                                               | $\vdash$                                         | $\vdash$     | <b>!</b> | Н        |
| <u> </u> | 139                                                  | ├-                                               | ⊢            | -          | <del> </del>   | $\vdash$                                         | $\vdash$                                         | $\vdash$     | $\vdash$ | Н        |
| <u> </u> | 140                                                  | $\vdash$                                         | -            | -          | <del> </del> — | <b>⊢</b> −                                       | <b>—</b>                                         | <del> </del> | <b>⊢</b> | Н        |
|          | 141                                                  | ├-                                               | ├            |            | ⊢              | ⊢                                                | ⊢                                                | ├-           | ⊢        | $\vdash$ |
| <u> </u> | 142                                                  | <del> </del> —                                   | $\vdash$     | ├          | ├              |                                                  | ⊢                                                | $\vdash$     | $\vdash$ | $\vdash$ |
| $\vdash$ | 143                                                  | ├-                                               | ⊢            | -          | ├—             | ⊢                                                | ├                                                | $\vdash$     | $\vdash$ | $\vdash$ |
| <u> </u> | 144<br>145                                           | $\vdash$                                         | $\vdash$     | $\vdash$   | $\vdash$       | $\vdash$                                         | $\vdash$                                         | $\vdash$     | $\vdash$ | H        |
|          | 146                                                  |                                                  | <del> </del> | $\vdash$   | ├              | $\vdash$                                         | -                                                | -            | $\vdash$ | $\vdash$ |
| <b> </b> | 147                                                  | -                                                | ⊢            | $\vdash$   | -              | -                                                | 1-                                               | $\vdash$     |          | $\vdash$ |
|          | 148                                                  | -                                                | -            | $\vdash$   | -              | ╁                                                | ⊢                                                | -            | -        | -        |
| <u> </u> | 149                                                  | +-                                               | $\vdash$     | ┢╌         | $\vdash$       | 1                                                | 1                                                | $\vdash$     |          | -        |
| -        | 150                                                  | $\vdash$                                         | -            | $\vdash$   | $\vdash$       | $\vdash$                                         |                                                  | $\vdash$     | $\vdash$ | H        |
| Щ.       | 130                                                  | L                                                | 1            |            | <u> </u>       | <u> </u>                                         | <u></u>                                          | L            | Щ        |          |
|          |                                                      |                                                  |              |            |                |                                                  |                                                  |              |          |          |